

## An endomychid species, *Eumorphus quadriguttatus pulchripes* Gerstaecker (Coleoptera, Endomychidae) new to Korea

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**Abstract:** In this study, *Eumorphus quadriguttatus pulchripes* is reported for the first time in Korea. Also genus, *Eumorphus*, is newly recorded for the Korean fauna. A habitus photo with diagnostic characters and illustration of male genitalia of this subspecies are provided.

**Key words:** new record, Coleoptera, Endomychidae, *Eumorphus quadriguttatus pulchripes*, Korea

### Introduction

*Eumorphus quadriguttatus* belonging to Endomychidae is a species of wide range with 4 known subspecies (*andamanensis* Gorham, 1875; *convexicollis* Gerstaecker, 1857; *pulchripes* Gerstaecker, 1857; *quadriguttatus* (Illiger, 1800)) (Strohecker, 1968). The first author checked the Korean species collected by second author from Mt. Songrisan, Chungcheongbuk-do province, Korea and it was identified as the subspecies *pulchripes*, which is new to Korea. In this study, we introduce this genus with a newly recorded subspecies, *Eumorphus quadriguttatus pulchripes* Gerstaecker from Korea. Consequently, a total of 5 species of Endomychids are known from Korea, including this subspecies (*Saula japonica* Gorham, *Ancylopus pictus asiaticus* Strohecker, *Lycoperdina mandarinae* Gerstaecker, *Cymbachus koreanus* Chujo, Chujo & Lee and *Eumorphus quadriguttatus pulchripes* Gerstaecker). The examined materials are deposited in the Hannam University Natural History Museum (HUNHM), Daejeon, Korea.

### Systematic Accounts

#### Order Coleoptera

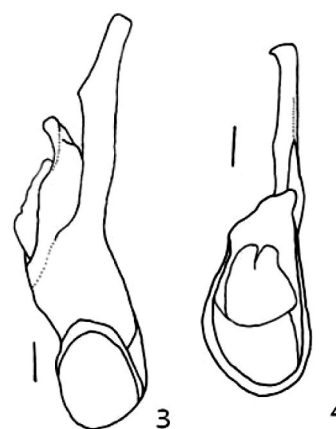
Family Endomychidae Leach, 1815

Genus *Eumorphus* Weber, 1801 (큰무당벌레붙이속)

*Eumorphus quadriguttatus pulchripes* Gerstaecker (낙점박이큰무당벌레붙이) (Figs. 1-4)



**Figs. 1-2.** Habitus of *Eumorphus quadriguttatus pulchripes*. 1, male, 10.8 mm; 2, female, 11 mm.



**Figs. 3-4.** Aedeagus of *Eumorphus quadriguttatus pulchripes*. 3: ventral view, Scales=0.03 mm; 4: apical view. Scales=0.026 mm.

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*Eumorphus pulchripes* Gerstaecker, 1857: 228

*Eumorphus quadriguttatus pulchripes*: Strohecker, 1968: 102; Sasaji, 1985: 242; Tomaszewska, 2007: 564.

**Diagnosis:** Body length 10-12 mm, body black, moderately shining, antenna and legs black but apical portion 1/2 of femur red, each elytron with two yellow patches. Last 3 antennomeres flat and broad, latero-anterial portion of pronotum somewhat obtusely projected; hind angles spiniform, apical margin of male elytra broadly rounded by female clearly prolonged. See the Figs. 3-4 about the median lobe of male.

**Material examined.** 1 ♂ 1 ♀, Korea, Chungcheongbuk-do province, Mt. Songrisan, near Beopjusa temple, Boeungun, 22. VI-05. VII, 2007, J. C. Jung coll..

Distribution: Korea (new record), Japan, China, Taiwan, India and Nepal.

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